

EXPLANATION

- |   |   |  |                               |
|---|---|--|-------------------------------|
| Decorah formation<br>Ion dolomite member<br>Gray beds<br>Blue beds<br>Guttenberg limestone member | ORDOVICIAN  |  | Axis of anticline             |
|   |   |  | Axis of syncline              |
|   |   |  | Ore in mine walls and pillars |
|   |   |  | Shaft                         |
|   | Contact   |  | Inclined shaft                |
|   | Inclined fault or fracture, showing dip; dashed where inferred. U, upthrown side and amount of displacement; D, downthrown side |  | Raise or winze                |
|   | Vertical fault or fracture  |  | Mine workings                 |
|   | Strike and dip of beds  |  | Bench                         |
|   | Horizontal beds   |  |                               |

Altitude of mine roof, above line, in feet. Altitude of mine floor, below line, in feet

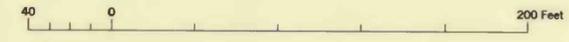
Drill hole and number, in ore; numeral above line, altitude of collar, in feet; numeral below line, altitude of base of Guttenberg limestone member of Decorah formation, in feet

Drill hole and number, without ore; numeral above line, altitude of collar, in feet; numeral below line, altitude of base of Guttenberg limestone member of Decorah formation, in feet

Drill hole, no geologic record

RAINE  
GRAY ANDREWS  
Property line

Geologic contacts plotted on plan at approximately 4 feet above main floor; other geologic features in main mine workings are plotted at the same general elevation unless otherwise noted, and features in mine workings above or below main level are plotted approximately where observed



Base map furnished by Federal Mining Co.

GEOLOGIC MAP AND SECTION OF THE FEDERAL MINE, LAFAYETTE COUNTY, WISCONSIN